

# Sonika Finch

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## Objective

Internationally experienced software engineer with 3+ years of developing high-quality object-oriented code in multiple languages. Excellent communication and collaborative skills proven by leading an interdisciplinary team of seven Georgia Tech students in a 4-month scrum environment DBMS project for the non-profit H.E.R.O. for Children. A driven, quick learner that enjoys complex challenges and staying constantly curious. Currently seeking full time employment starting Summer of 2018.

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## Education

### GEORGIA INSTITUTE OF TECHNOLOGY | COLLEGE OF COMPUTING | ATLANTA, GA

- Major: Bachelor of Science in Computer Science, **Overall GPA: 3.34** | **Major GPA: 3.59** August 2014 - May 2018 (Expected)
  - Threads: People & Information Internetworks
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## Experience

### PROTIVITI – ATLANTA, GA

#### *Intern, Data & Analytics- Business Intelligence Solution*

June 2017 – August 2017

- Created flexible and informative business intelligence reporting dashboards with jQuery custom components for Protiviti's executive use
- This project will save Protiviti about \$300,000 a year by automating the manual data reporting that was the practice
- Worked as a consultant to redesign Nielsen's business intelligence system- personally focused on data warehousing and ETL to the cloud
- This project will allow Nielsen's management staff to better understand their internal data and manage their complex global operations.

### CONCUSSION CONNECT – ATLANTA, GA

#### *Undergraduate Researcher*

January 2017 – Present

- Collaborated with an interdisciplinary team of Georgia Tech researchers to improve on-the-field concussion diagnosis in American football
- Created a Microsoft Access database for years of hit testing done by the study and designed custom macros for researchers' manipulation
- This database has been crucial for the research team to accurately analyze their tests and collaborate with the national FITBIR database

### VENTURE CORPORATION LIMITED – SINGAPORE

#### *Firmware Engineering Intern, Research & Development Department*

June 2015 – July 2015

- Worked on an interdisciplinary team to design a new and improved DNA thermocycler
  - Made meaningful impacts by analyzing the issues presented and collaborating with the team to develop the best solution for the client
  - Created an intuitive and comprehensive UI with Android Studio to allow doctors to interact with the technology seamlessly and effectively
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## Projects

### H.E.R.O FOR CHILDREN – ATLANTA, GA

#### *Team Lead, Epic Intentions*

January 2017 – May 2017

- Managed an interdisciplinary team of seven Georgia Tech student volunteers in a scrum environment project creating the charity H.E.R.O. for Children's database management system
- Spent an average of seven hours a week on the project leading the team in developing the python desktop application and MySQL database
- The searchable database will help H.E.R.O. applying for critical grants and managing their many programs

### ALLIANCE SURVIVOR RESOURCES – ATLANTA, GA

#### *Lead Backend Developer, Epic Intentions*

August 2016 – December 2016

- Volunteered with a team of six Georgia Tech students to create web app with a MySQL database for the charity Alliance for Survivor Care
- Responsible for leading the three-person backend development team and spent an average of five hours a week building the project
- The web app will connect the several groups within Alliance so they can share knowledge easily with each other and the women they serve

### WATER – ATLANTA, GA

#### *CS 2340, Georgia Tech*

August 2016 – December 2016

- Crowdsourced safe water location application created in response to NASA's clean water mapping challenge
- Developed with a group of five Georgia Tech students in a scrum environment using JavaFx and Google Maps API
- The application is designed for people in rural areas to identify and share knowledge of safe drinking water locations

### GT TRAVEL – BARCELONA, ES

#### *CS 4400, Georgia Tech Barcelona Study Abroad*

May 2016 – August 2016

- Travel review application that allows users to rate and write reviews about different destinations and search based on location
  - Collaboratively developed the python GUI and MySQL database with a team of five Georgia Tech students
  - Personally responsible for leading backend development
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## Technical Skills

### PROGRAMMING LANGUAGES

Python, Java, SQL, C, HTML, CSS, JavaScript, PHP, JSON, XML, and MATLAB

### SOFTWARE & FRAMEWORKS

Git, Android Studio, jQuery, AngularJS, JavaFX, Bootstrap, Tkinter, Microsoft Access, SAP BusinessObjects Design Studio, SAP HANA Studio, SAP Data Services Designer, and SAP BusinessObjects Web Intelligence